

**APPARATUS AND METHODS FOR
FAULT-TOLERANT COMPUTING USING A SWITCHING FABRIC**

Abstract of the Disclosure

Apparatus and methods for fault-tolerant computing using an asynchronous switching fabric where at least one of a plurality of redundant data processing elements executing substantially identical instructions communicates transactions to at least one target device, such as input/output device, or another data processing element. The 5 transactions are communicated through the asynchronous switching fabric wherein each of the data processing elements and the target device are connected to the asynchronous switching fabric through a respective channel adapter.

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